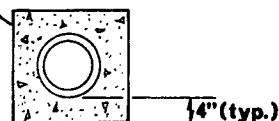


**SEE SHEET 2 FOR NOTES AND
DESCRIPTION OF CASES**

**Class 420-C-2000 —
concrete encasement**



CROSS SECTION OF CONCRETE REINFORCEMENT FOR PIPE.

END

APPROVED Robert C. Hale DATE 6/29/78
PUBLIC WORKS DIRECTOR - R.C.E. 18793

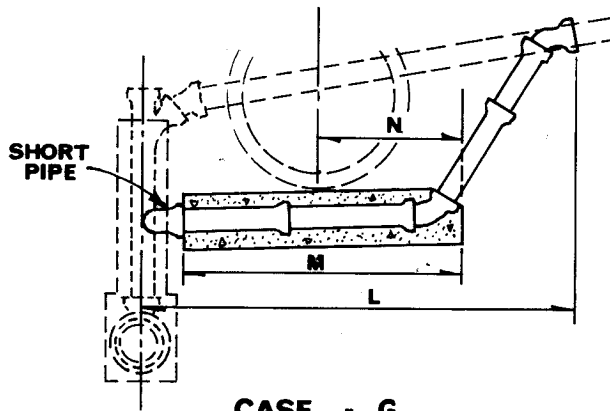
CITY OF RIVERSIDE
PUBLIC WORKS DEPT. - ENGINEERING DIV.

REMODELING DETAILS FOR SEWER LATERALS

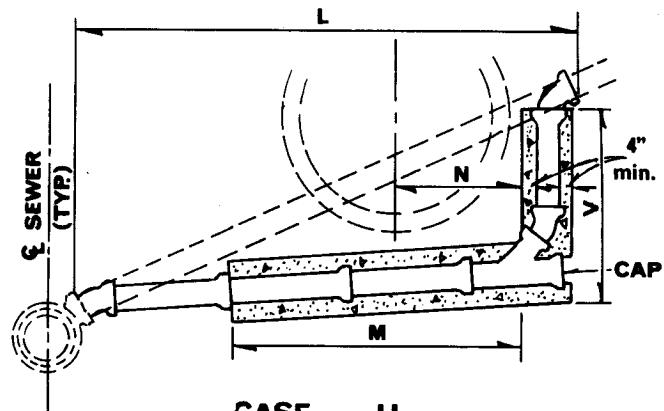
STANDARD DRAWING NO.

554
Sheet 1 of 2

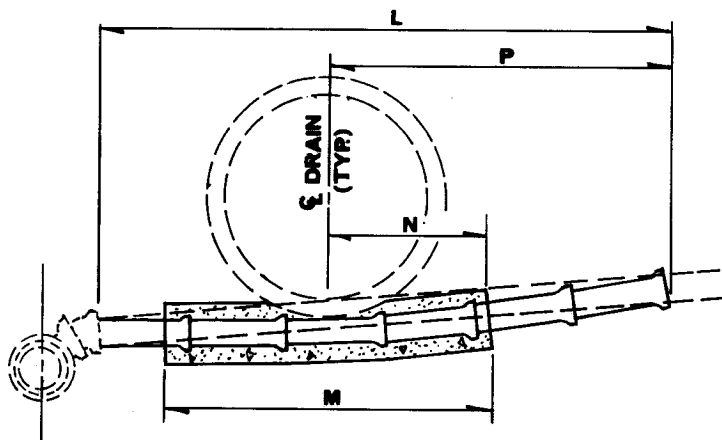
MARK	REVISIONS	APPR.	DATE
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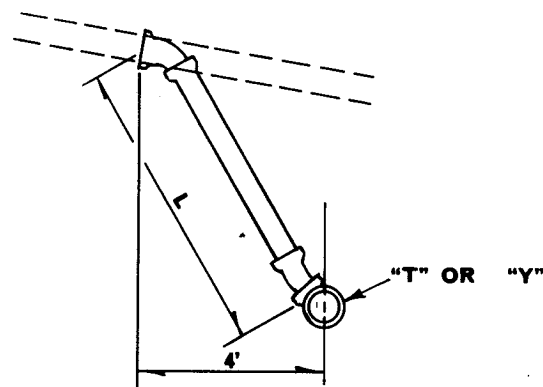
CASE - G



CASE - H



CASE - K



CASE - R

NOTES:

- These details do not apply to conflicts between sewer laterals and water lines.
- Existing pipes are indicated by broken lines.
- Pipes to be constructed are indicated by solid lines.
- All pipe diameters shall match existing lateral.
- All bends shall be $\frac{1}{8}$ bends unless specified otherwise.
- Concrete reinforcement, cross section shown on sheet 1, shall be used on all pipes to be constructed under storm drain, top portion within 1" of storm drain to be omitted.
- Dimensions:

L is specified on plan as the average total length.
 $M = (d_1 + 24")$ less enough to avoid a fraction of a foot.
 $N = \frac{1}{2} M$, except where specified otherwise on plan.
 P (case K) is specified where L does not extend to the bend.
 V_1 (case H) is specified to the nearest foot and in summary, is itemized as Concrete Reinforcement for 6" pipe.

- New connection to main line shall conform to standard drawing no. 562.
- Joints shall be type D, F, or G per the latest approved edition of Standard Specifications for Public Works Construction.

CASES:

- Above Drain to House Connection - Specials required: 2 $\frac{1}{8}$ Bends.
 - Above Drain to Chimney - 2 $\frac{1}{8}$ Bends.
 - Below Drain to House Connection - 2 $\frac{1}{8}$ Bends.
 - Below Drain to "Y" - 3 $\frac{1}{8}$ Bends.
 - Below Drain to Flat Saddle - 3 $\frac{1}{8}$ Bends, 1 Saddle.
 - Below Drain to Saddle - 3 $\frac{1}{8}$ Bends, 1 Saddle.
 - Below Drain to Chimney - 2 $\frac{1}{8}$ Bends.
 - Below Drain to "Y" - 3 $\frac{1}{8}$ Bends, 1 "Y".
 - Below Drain to House Connection, Slope slightly modified.
 - Connection with New Sewer - 2 $\frac{1}{8}$ Bends with "Y".
 - 1 $\frac{1}{4}$ Bend with "T".
10. Material used for replacement segment shall be the same as the material used for the existing lateral.

APPROVED *Robert C. Wale* DATE *9/28/78*
 PUBLIC WORKS DIRECTOR - R.C.E. 18793

CITY OF RIVERSIDE
 PUBLIC WORKS DEPT. - ENGINEERING DIV.

REMODELING DETAILS FOR SEWER LATERALS

ADDED NOTE 10.
 MARK REVISIONS

7/14/83
 APPR. DATE

STANDARD DRAWING NO.

554
 Sheet 2 of 2